



The U.S. Attorney General has determined that the publication of this periodical is necessary in the transaction of the public business required by the Department of Justice. Information, instruction, and disclaimers are published in the January issues.

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- OCTOBER 2011 -

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### SELECTED REFERENCES

[The Selected References section is a compilation of recent publications of presumed interest to forensic chemists. Unless otherwise stated, all listed citations are published in English. Abbreviated mailing address information duplicates that which is provided by the abstracting service. Patents and Proceedings are reported only by their *Chemical Abstracts* citation number. For full text copies of any of the articles listed, you may email the DEA Library at [dea.library-at-usdoj.gov](mailto:dea.library-at-usdoj.gov) (replace -at- with @).]

1. Bononi M, Belgi P, Tateo F. **Analytical data for identification of the cannabimimetic phenylacetylindole JWH-203.** *Journal of Analytical Toxicology* 2011;35(6):360-363. [Editor's Notes: Presents title study. Contact: Laboratori di Ricerche Analitiche e Tecnologiche su Alimenti e Ambiente, Faculty of Agriculture, University of Milan, Milan 20133, Italy.]
2. Hudson S, Ramsey J. **The emergence and analysis of synthetic cannabinoids.** *Drug Testing and Analysis* 2011;3(7-8):466-478. [Editor's Notes: This paper presents background information on the pharmacological aspects of synthetic cannabinoids, as well as, GC/MS and LC-MS/MS data obtained from the analysis of several products containing synthetic cannabinoids. Contact: HFL Sport Science Ltd, Newmarket Road, Fordham CB7 5WW, United Kingdom.]
3. Nakajima J, Takahashi M, Seto T, Kanai C, Suzuki J, Yoshida M, Hamano T. **Identification and quantitation of two benzoylindoles AM-694 and (4-methoxyphenyl)(1-pentyl-1H-indol-3-yl)methanone, and three cannabimimetic naphthoylindoles JWH-210, JWH-122, and JWH-019 as adulterants in illegal products obtained via the Internet.** *Forensic Toxicology* 2011;29(2):95-110. [Editor's Notes: Presents title study. Contact: Division of Drugs, Tokyo Metropolitan Institute of Public Health 3-24-1 Hyakunin-cho, Shinjuku-ku, Tokyo 169-0073, Japan.]

### Additional References of Possible Interest:

1. Been F, Roggo Y, Degardin K, Esseiva P, Margot P. **Profiling of counterfeit medicines by vibrational spectroscopy.** Forensic Science International 2011;211(1-3):83-100. [Editor's Notes: Presents title study. Contact: F. Hoffmann-La Roche Ltd., Basel, Switzerland.]
2. Bell C, George C, Kicman AT, Traynor A. **Development of a rapid LC-MS/MS method for direct urinalysis of designer drugs.** Drug Testing and Analysis 2011; 3(7-8):496-504. [Editor's Notes: Presents title study. Contact: Department of Forensic Science and Drug Monitoring, Kings College London, School of Biomedical and Health Sciences, Franklin-Wilkins Building 150 Stamford Street SE1 9NH, United Kingdom.]
3. Collins M. **Some new psychoactive substances: Precursor chemicals and synthesis-driven end-products.** Drug Testing and Analysis 2011;3(7-8):404-416. [Editor's Notes: Some of the new classes of designer drugs being encountered today by forensic scientists and law enforcement agencies (cathinones, tryptamines, phenethylamines, and synthetic cannabinoids) are described. The synthetic approaches used to manufacture many of these designer drugs are also presented. Many of these so-called designer drugs exist as a result of legitimate research into medical conditions and the natural product chemistry. A link between synthetic approaches published in the open scientific and medical literature, and the exploitation of this research by clandestine manufacturers of drugs for illicit purposes is drawn. Contact: Australian Forensic Drug Laboratory, National Measurement Institute Australia.]
4. Sainsbury PD, Kicman AT, Archer RP, King LA, Braithwaite RA. **Aminoindanes-the next wave of 'legal highs'?** Drug Testing and Analysis 2011;3(7-8):479-482. [Editor's Notes: Internet websites offering synthetic compounds as research chemicals have recently been advertising 5,6-methylenedioxy-2-aminoindane (MDAI), 5,6-methylenedioxy-N-methyl-2-aminoindane (MDMAI), 5-iodo-2-aminoindane (5-IAI), and 5-methoxy-6-methyl-2-aminoindane (MMAI) for sale. The chemical, pharmacological, and toxicological aspects of these new psychoactive substances are reviewed. Contact: Department of Forensic Science and Drug Monitoring, Franklin-Wilkins Building, King's College London SE1 9 NH, United Kingdom.]

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## THE DEA FY 2012 STATE AND LOCAL FORENSIC CHEMISTS SEMINAR SCHEDULE

The FY 2012 schedule for the State and Local Forensic Chemists Seminar is as follows:

March 19-23, 2012  
June 11-15, 2012  
September 10-14, 2012

The school is open only to forensic chemists working for law enforcement agencies. It is intended for chemists who have completed their agency's internal training program and have also been working on the bench for at least one year. There is no tuition charge. The course is held at the Hyatt Place Dulles North Hotel in Sterling, Virginia (near the Washington/Dulles International Airport). A copy of the application form is reproduced on the last page of this issue of *Microgram Bulletin*. Completed applications should be mailed to the Special Testing and Research Laboratory at 22624 Dulles Summit Court, Dulles, VA 20166. For additional information, email [DEA-Forensic Chemist Seminar -at- usdoj.gov](mailto:DEA-Forensic-Chemist-Seminar-at-usdoj.gov) (replace -at- with @).

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### SCIENTIFIC MEETINGS

**Title:** The 2011 Northeastern Association of Forensic Scientists Annual Meeting

**Sponsoring Organization:** Northeastern Association of Forensic Scientists

**Inclusive Dates:** November 1-5, 2011

**Location:** Hyatt Regency Hotel & Spa (Newport, RI)

**Contact Information:** See website

**Website:** [www.neafs.org](http://www.neafs.org)

<b>DEA State and Local Forensic Chemist Seminar Application</b>			
Name: (PRINT NAME EXACTLY AS IT IS TO APPEAR ON CERTIFICATE)		Title:	
Employer:			
Your Office Mailing Address (include city, state, and zipcode):			Length of Service:
Business Telephone: (     )     -	Business Fax: (     )     -	Date of Application:	
Email Address:			
Education			
College or University	Degree	Major	
Please Check Which Techniques or Equipment Are Used in Your Laboratory			
<input type="checkbox"/>	Color Tests	<input type="checkbox"/>	UV
<input type="checkbox"/>	Column Chromatography	<input type="checkbox"/>	IR
<input type="checkbox"/>	Microcrystal Tests	<input type="checkbox"/>	CE
<input type="checkbox"/>	Thin Layer Chromatography	<input type="checkbox"/>	GC/MS
<input type="checkbox"/>	GC	<input type="checkbox"/>	Other (please specify)
<input type="checkbox"/>	HPLC	<input type="checkbox"/>	Other (please specify)
Indicate Analytical Problem(s) Nominee Would Like to Have Covered:			
Choice of Seminar Dates:			
1st Choice:		2nd Choice:	
Laboratory Chief/Director:			
Printed Name: _____		Signature: _____	
Title: _____		Date: _____	
Phone: _____			